



93184-00007

1FW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Patent Application of:  
KENNETH ABEND, ET AL.

Serial No.: 10/801,495

Confirmation No.: 1813

Filed: March 16, 2004

For: INCREASED SENSITIVITY FOR 4-D  
ULTRASOUND IMAGING AND FOR  
4-D DOPPLER ULTRASOUND IMAGING

Group Art Unit: 3737

Examiner: To Be Assigned

I hereby certify that this correspondence and/or  
fee is being deposited with the United States  
Postal Service as First Class Mail in an envelope  
addressed to Mail Stop Amendment,  
Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450  
on 6/10/05  
(Date of Deposit)

Barbara Kiselica 6/10/05  
(Signature) (Date)

X: Barbara Kiselica  
Printed Name

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, applicant and his attorney respectfully request that the following patents and publications be made of record in the official United States Patent and Trademark Office file relating to the above-identified application. The citation of the following patents and publications should not be construed as an admission that they constitute prior art with respect to the present invention.

U.S. Patent Nos.

5,148,810	5,922,962
5,261,408	5,928,151
5,291,892	5,971,927
5,409,010	6,066,096
5,546,807	6,135,971
5,623,930	6,148,095
5,701,898	6,238,346
5,808,962	6,524,253
5,840,033	6,682,483
5,911,692	

Non-Patent Literature Documents

C. KASAI, K. NAMEKAWA, A. KOYANO and R. OMOTO "Real-Time Two Dimensional Blood Imaging Using An Autocorrelation Technique", IEEE Transactions On Sonics and Ultrasonics, Vol. SU-32, no.3, pp 458-464, May 1985.

K. FERRARA and G. DeANGELIS, "Color Flow Mapping", Ultrasound in Medicine and Biology", Vol. 23, no. 2, pp 321-345, March 1997.

T. BUCK, et al., "Flow Quantification In Valvular Heart Disease Based On The Integral Of Backscattered Acoustic Power Using Doppler Ultrasound", PROC. IEEE, Vol. 88, no. 3 pp 307-330, March 2000.

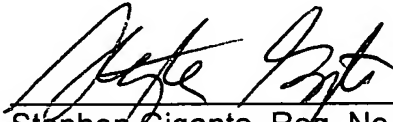
All of the above-listed references are in the English language. In such circumstances, comments concerning the relevance of the foregoing references are considered unnecessary.

In order to facilitate the Examiner's citation of the patents and publications listed above, applicant's attorney has completed United States Patent and Trademark Office Form PTO/SB/08 (formerly PTO-1449). The completed Form is attached hereto for the Examiner's convenience.

No fees are believed to be due in connection with the submission of this Information Disclosure Statement. If any such fees are due, the Examiner is hereby authorized to charge them to Deposit Account No. 501402.

Respectfully Submitted,

McCARTER & ENGLISH, LLP

A handwritten signature in black ink, appearing to read "Stephen Gigante", is written over a horizontal line.

Stephen Gigante, Reg. No. 42,576

For: John K. Kim  
Reg. No. 37,002

McCARTER & ENGLISH, LLP  
Four Gateway Center  
100 Mulberry Street  
Newark, New Jersey 07102  
(973) 622-4444

NWK2: 1317873.01



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>	
	Application Number	10/801,495		
	Filing Date	March 16, 2004		
	First Named Inventor	Kenneth Abend		
	Art Unit	3737		
	Examiner Name	TBA		
Sheet	2	of	2	Attorney Docket Number 93184/00007

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		C. KASAI, K. NAMEKAWA, A. KOYANO and R.OMOTO, "Real-Time Two Dimensional Blood Imaging Using An Autocorrelation Technique", IEEE Transactions On Sonics and Ultrasonics, Vol. SU-32, no. 3, pp 458-464, May 1985.	
		K. FERRARA and G. DE ANGELIS, "Color Flow Mapping", Ultrasound in Medicine and Biology, Vol. 23, no. 2, pp 321-345, March 1997.	
		T. BUCK, et al., "Flow Quantification in Valvular Heart Disease Based on the Integral of Backscattered Acoustic Power Using Doppler Ultrasound", PROC. IEEE, vol. 88, no. 3, pp 307-330, March 2000.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.  
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.